IN THE CLAIMS

Please amend the claims as possible.

1. (Currently Amended) A pressure activated valve for medical applications comprising: a housing having a lumen extending therethrough from a proximal end to a distal end thereof; and a flow control membrane extending across the lumen to control flow therethrough, the flow control membrane including a mounting portion at which the flow control membrane is coupled to the housing and a lumen occluding portion having a slit extending therethrough so that, when the lumen occluding portion is subjected to a pressure of at least a predetermined threshold level, the lumen occluding portion moves from a closed configuration in which flow through the lumen is prevented to an open configuration in which flow is permitted and wherein a thickness of the mounting portion is greater than a thickness of the lumen occluding portion, wherein the mounting portion covers a minority of a surface area of the lumen occluding portion in which the slit is disposed.

2. (Original) The pressure activated valve according to claim 1, wherein the flow control membrane comprises a first membrane bonded to an annular base member wherein an area of the base membrane substantially corresponds to that of the mounting portion and wherein the slit extends through the first membrane.

3. (Original) The pressure activated valve according to claim 1, further comprising a membrane retention portion of the housing, the membrane retention portion being adapted to apply a retentive compression force to mounting portion.

4. (Original) The pressure activated valve according to claim 2, further comprising a layer of adhesive disposed between the first membrane and the base membrane.

5. (Original) The pressure activated valve according to claim 2, wherein the first membrane has a thickness of no more than 0.035 in.

6. (Original) The pressure activated valve according to claim 1, wherein a thickness of the lumen occluding portion is between 0.005 and 0.100 inches.

7. (Original) The pressure activated valve according to claim 1, wherein a thickness of the mounting portion is between 1 and 20 times a thickness of the lumen occluding portion.

8. - 28. (Canceled)